

COAL ASH IMPOUNDMENTS - OHIO COAL PLANTS

Existing generating units as of January 1, 2006

Source: Coming Clean: What EPA Knows About the Dangers of Coal Ash

A summary of USEPA's 2007 Human and Ecological Risk Assessment of Coal Combustion Wastes

Surface Impoundments Analyzed in EPA Risk Assessment (Unlined and Clay-lined)

<u>Plant name</u>	<u>Company</u>	<u>Acres</u>	<u>Cubic yards</u>	<u>Waste type</u>	<u>Liner type</u>
Cardinal	American Electric Power	123	8,437,500	Ash	No liner
Gen. James M Gavin	American Electric Power	300	30,000,000	Ash and coal waste	No liner
Killen Station	Dayton Power and Light	Not reported*	99,935	Ash and coal waste	Clay
JM Stuart	Dayton Power and Light	88	8,357,000	Ash	No liner
Walter C Beckjord	Duke Energy	Not reported*	2,000,000	Ash	No liner

Landfills Analyzed in EPA Risk Assessment (Unlined and Clay-lined)

<u>Plant name</u>	<u>Company</u>	<u>Acres</u>	<u>Cubic yards</u>	<u>Waste type</u>	<u>Liner type</u>
Conesville-1	American Electric Power	100	2,500,000	Ash and coal waste	No liner
Conesville-2	American Electric Power	300	10,000,000	Ash	Clay
Bay Shore	First Energy	85	Not reported*	Ash	No liner
Walter C Beckjord	Duke Energy	14	1,000,000	Ash	No liner
Gen James M Gavin	American Electric Power	99	12,000,000	Ash	Clay
Miami Fort	Duke Energy	80	4,000,000	Ash	Clay

Surface Impoundment and Landfill Disposal Data

All numbers in tons

<u>Plant name</u>	<u>Company</u>	<u>Fly ash disposed in landfill</u>	<u>Bottom ash disposed in landfill</u>	<u>Fly ash disposed in surface impoundment</u>	<u>Bottom ash disposed in surface impoundment</u>
Bay Shore	First Energy	38,200	0	0	0
Cardinal	American Electric Power	0	0	474,300	16,100
Conesville	American Electric Power	7,300	0	21,200	0
Gen. James M Gavin	American Electric Power	0	0	0	90,700
JM Stuart	Dayton Power and Light	0	0	653,300	0
Killen Station	Dayton Power and Light	0	0	202,100	50,500
Kyger Creek	Ohio Valley Electric Corp.	0	0	153,800	77,700
Miami Fort	Duke Energy	0	0	167,800	56,500
Muskingum River	American Electric Power	0	0	143,400	0
Picway	American Electric Power	0	0	8,500	2,100
Richard Gorsuch	American Municipal Power	107,500	23,300	0	0
WH Zimmer	Duke Energy	333,600	83,400	0	0
Walter C Beckjord	Duke Energy	306,600	0	0	76,700

*Duke Energy and FirstEnergy have claimed "trade secret" some of the information recorded here. They are two of six US companies to do so.

Bottom ash refers to the non-combustible constituents of coal with traces of combustibles embedded in forming clinkers and sticking to hot side walls of a coal-burning furnace during its operation. The portion of the ash that escapes up the chimney or stack is, however, referred to as fly ash.